

WHAT IS CLAIMED IS:

1. A golf ball which comprises a core, a cover and numerous dimples formed on the surface of said cover, wherein a base polymer of said cover includes a thermoplastic polyurethane elastomer as a principal component,

Shore D hardness of said cover is 30 or greater and 55 or less,

a surface area occupation ratio Y of these dimples is equal to or greater than 75%, and

a ratio R1 of the diameter d_{max} of the maximum dimple to the diameter D of said golf ball is 11.0% or greater and 18.0% or less.

2. The golf ball according to claim 1 wherein a ratio R2 of number of dimples having the diameter d accounting for 11.0% or greater and 18.0% or less of said diameter D of the golf ball, occupied in total number N of the dimples is equal to or greater than 20%.

3. The golf ball according to claim 1 wherein a mean occupation ratio y which is a value calculated by dividing said surface area occupation ratio Y by total number N of the dimples is equal to or greater than 0.22%.

4. The golf ball according to claim 1 wherein a summation X of the contour length x of the dimples (total contour length) and the surface area occupation ratio Y satisfy the relationship represented by the following formula (1).

$$X \leq 38.82 \times Y + 1495 \quad \text{--- (1)}$$

5. The golf ball according to claim 1 wherein the

core has a center and a mid layer, and difference ($H_m - H_c$) between Shore D hardness H_m of the mid layer and Shore D hardness H_c of the cover is equal to or greater than 5.